

FIDUCIAL MARKER DEVICES, TOOLS, AND METHODS

ABSTRACT

5 This document discusses, among other things, fiducial marker devices,
tools, and methods. One example illustrates a combined computed tomography
(CT) imagable fiducial locator head, an integral bone screw, and an integral
divot for receiving a positioning wand of an image-guided surgical (IGS)
workstation. A further example includes a fluid/gel-absorbing coating or cover
10 into which a magnetic resonance (MR) imagable fluid is introduced, thereby
permitting both CT and MR imaging. Protective caps and collars may be used to
protect the fiducial marker from mechanical impact and/or to guide the fiducial
marker during affixation. A bull's-eye or other template is used to select a
center of a substantially spherical fiducial marker head on an image, such as for
15 use during patient registration.